

**Amendments to the Specification**

Please amend the Title preceding paragraph [0001] as follows:

**A Method and System to Provide Concurrent User-Level, Non-Privileged Shared Resource Thread Creation and Execution Multithreading**

Please amend paragraphs 40 and 41 as indicated below:

[00040] **Figure 6** illustrates an exemplary relationship between shreds and shared memory threads, according to one embodiment of the present invention. Per-shred application state 610 ~~510~~ is replicated for each shred. The shared application and system state 620 ~~520~~ is common to the local shreds, and replicated for each shared-memory thread. The memory state 630 ~~530~~ has only one copy.

[00041] Because the system state 620 ~~520~~ is shared between multiple shreds in the MAX programming model, the multiple shreds belong to the same process. The present multithreading architecture extensions are intended to be used by multithreaded applications, libraries, and virtual machines. The MAX programming model gives this type of software an unprecedented degree of control over its shreds and a performance potential that is not achievable with the shared-memory multiprocessor programming model discussed above.